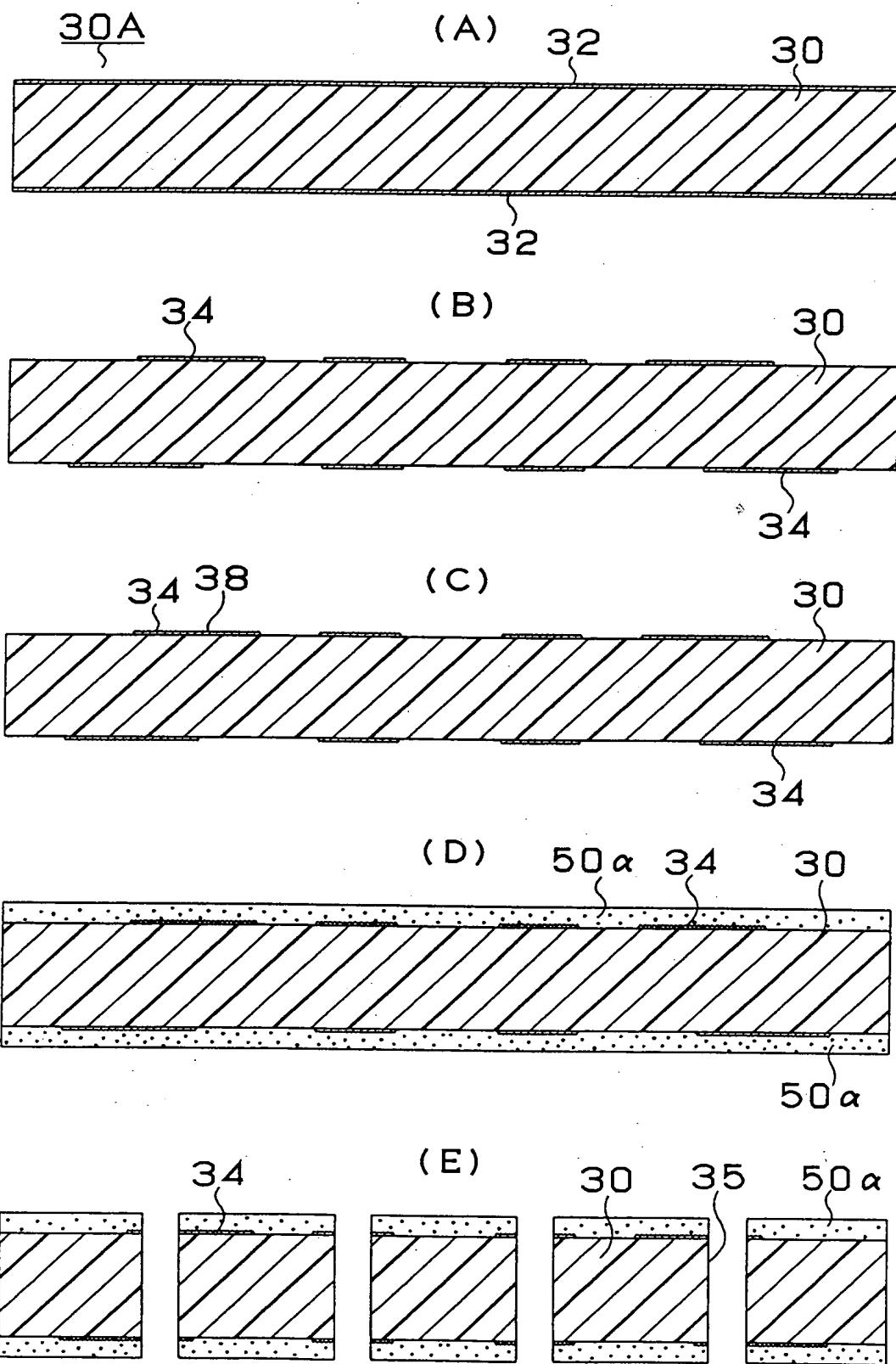
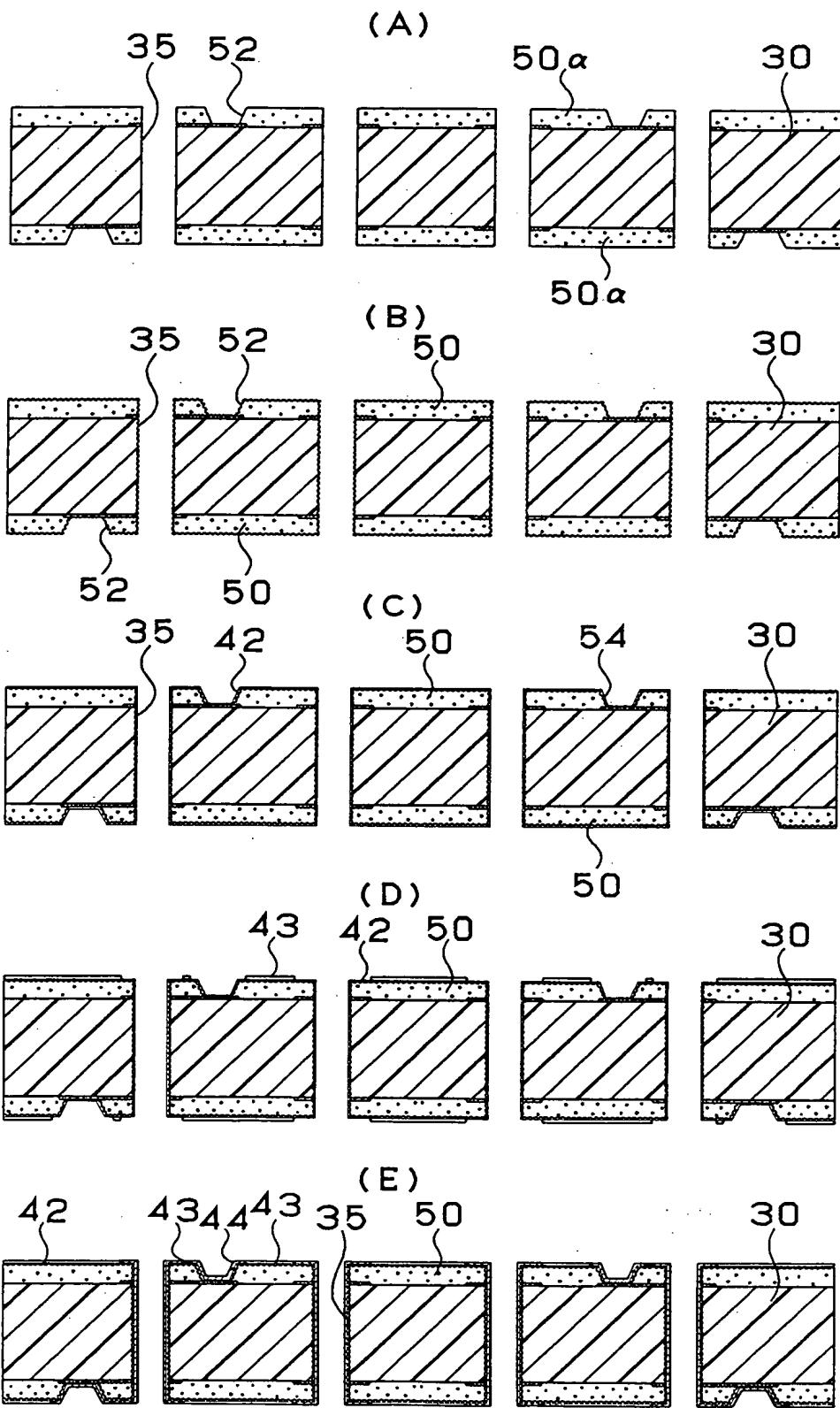


09/830963

1/22
Fig. 1

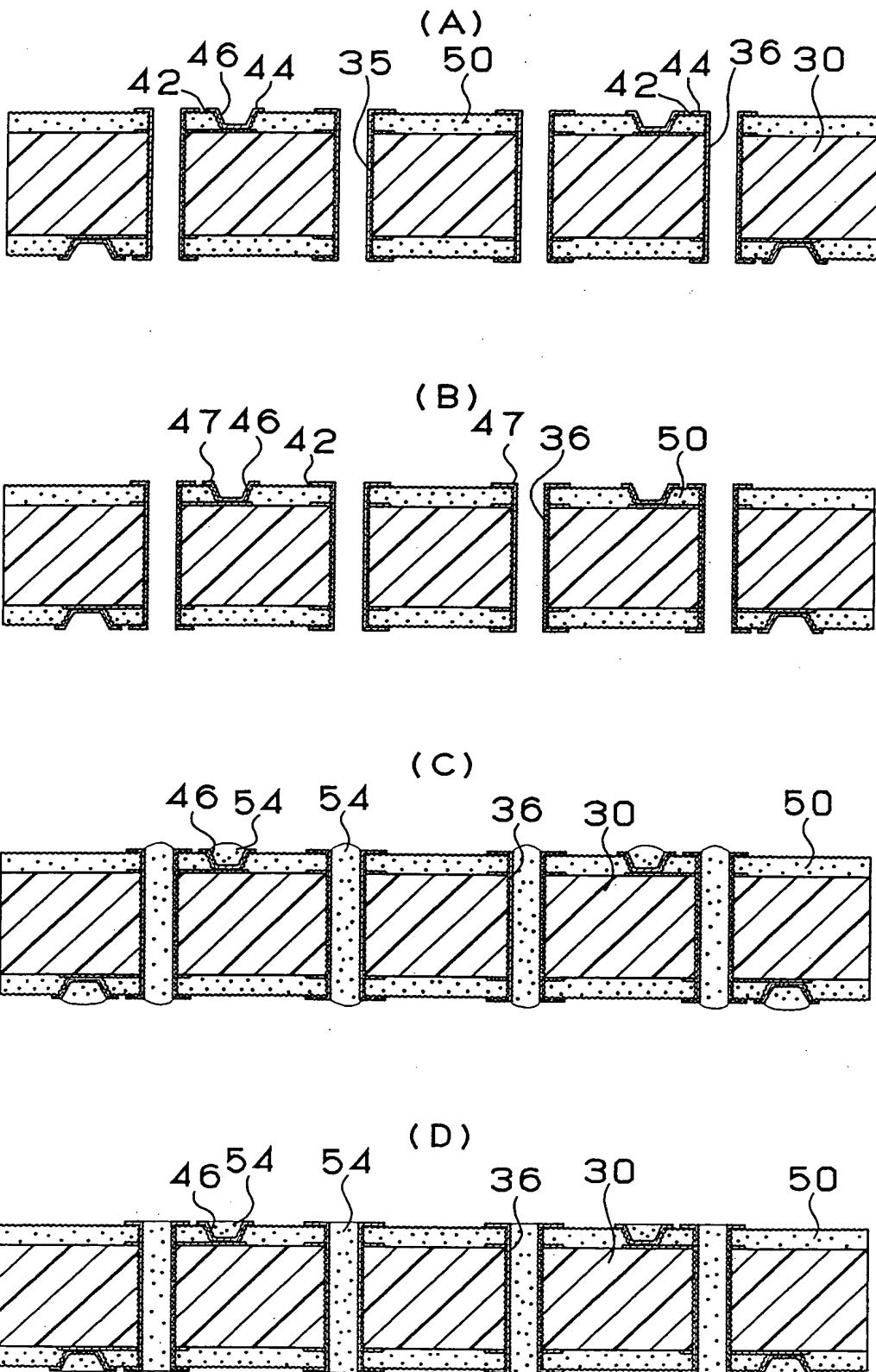


00K KT
PAGE 6

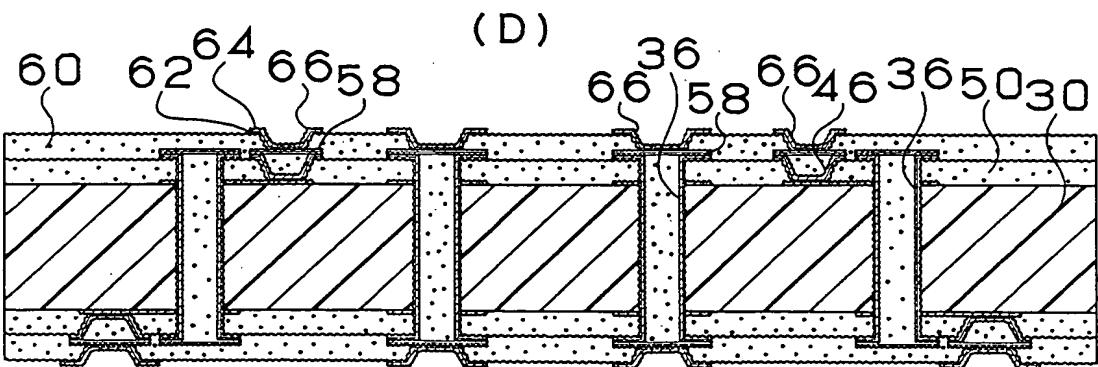
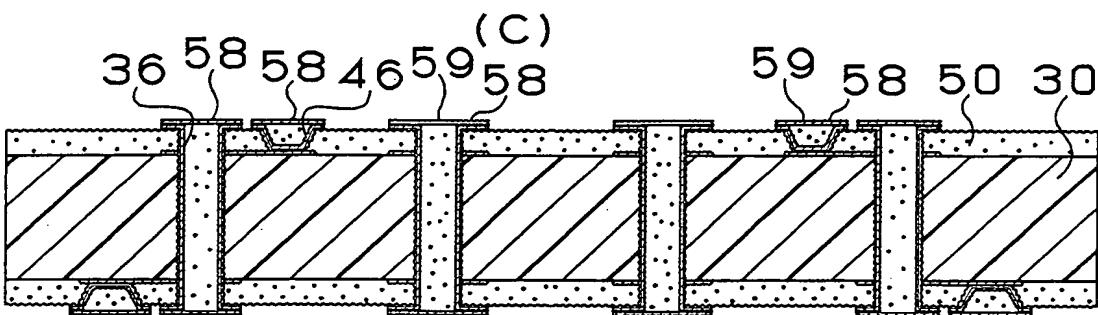
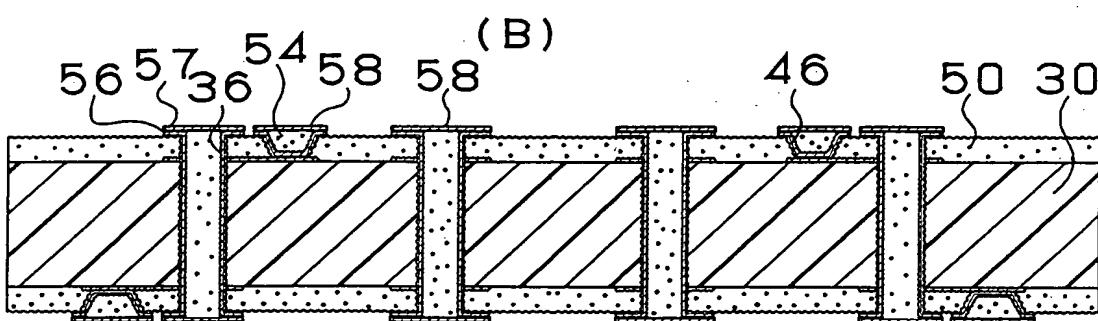
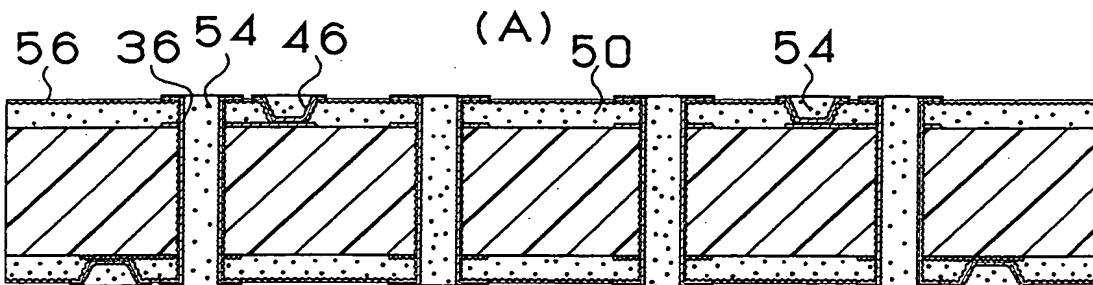
2/22
Fig. 2

09/830963

3/22
Fig. 3

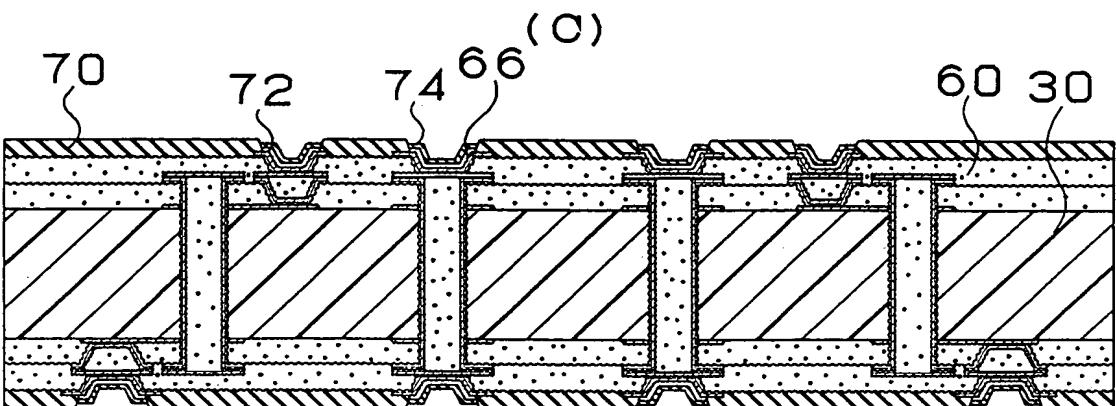
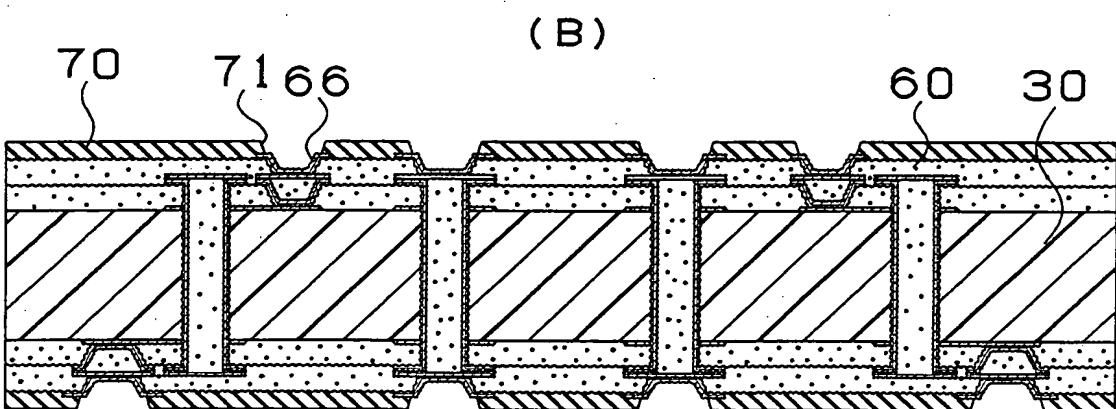
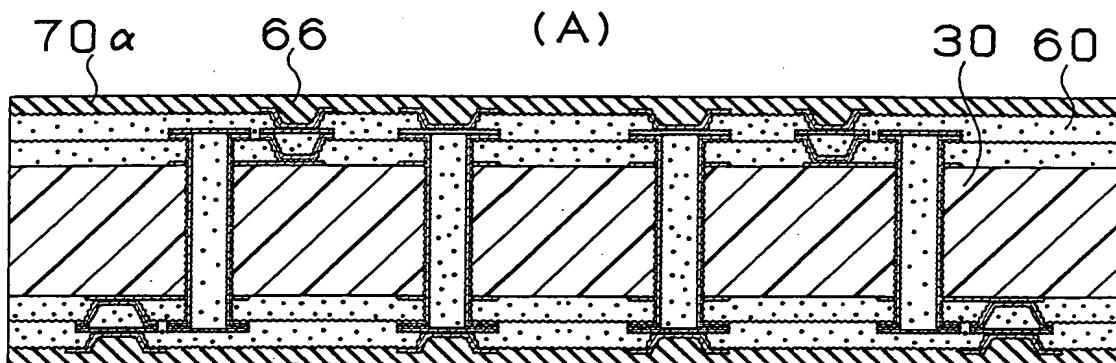


709020-29602860

4/22
Fig. 4

09/830963

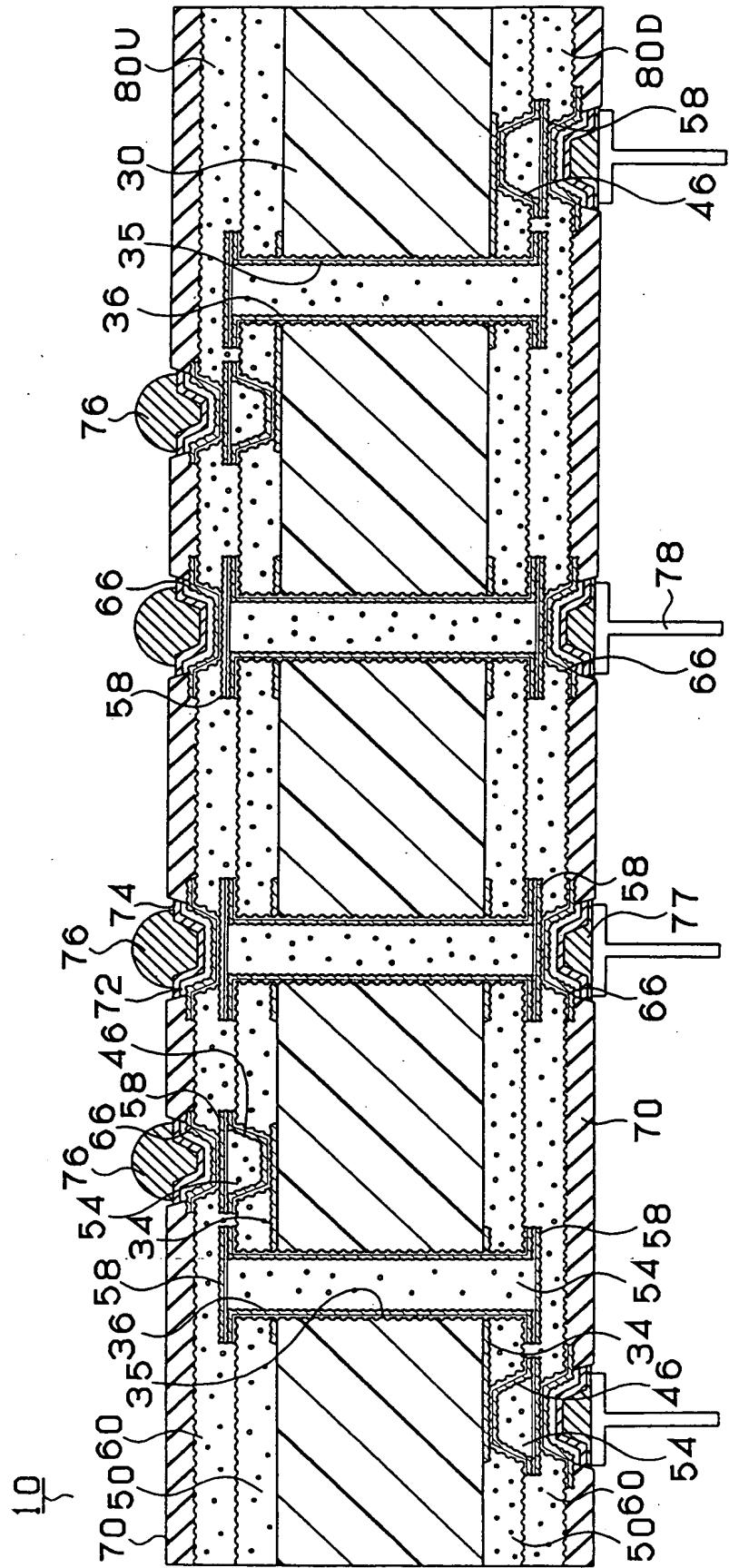
5/22
Fig. 5



TA9020-29602600

6/22
Fig. 6

09/830963

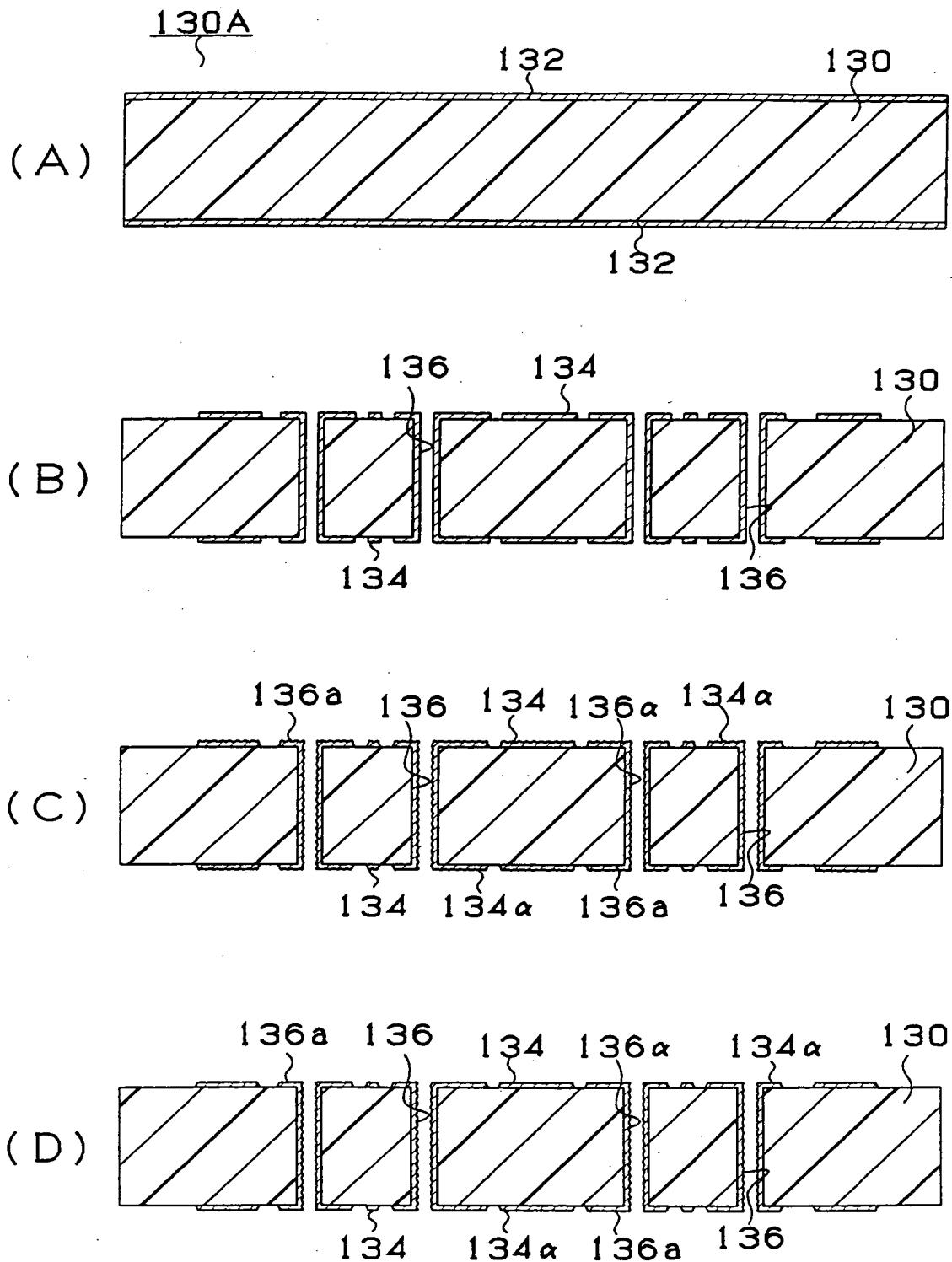


09/830963

7/22
Fig. 7

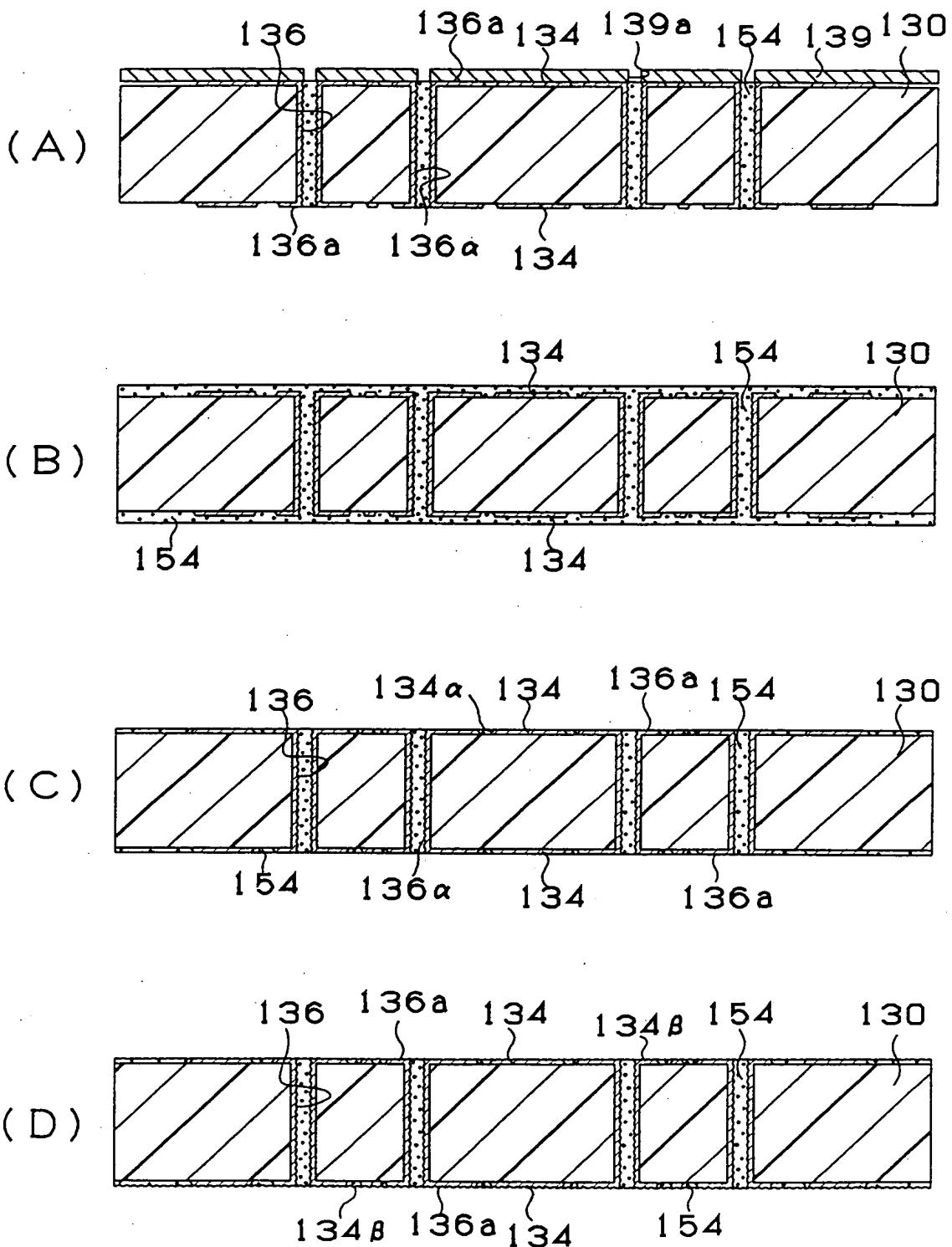
	Embodiment	Comparison Example
Electrical connection characteristic	OK	NG
Separation	NO	YES
Expansion	NO	YES

TO9020"2960\$960

8/22
Fig. 8

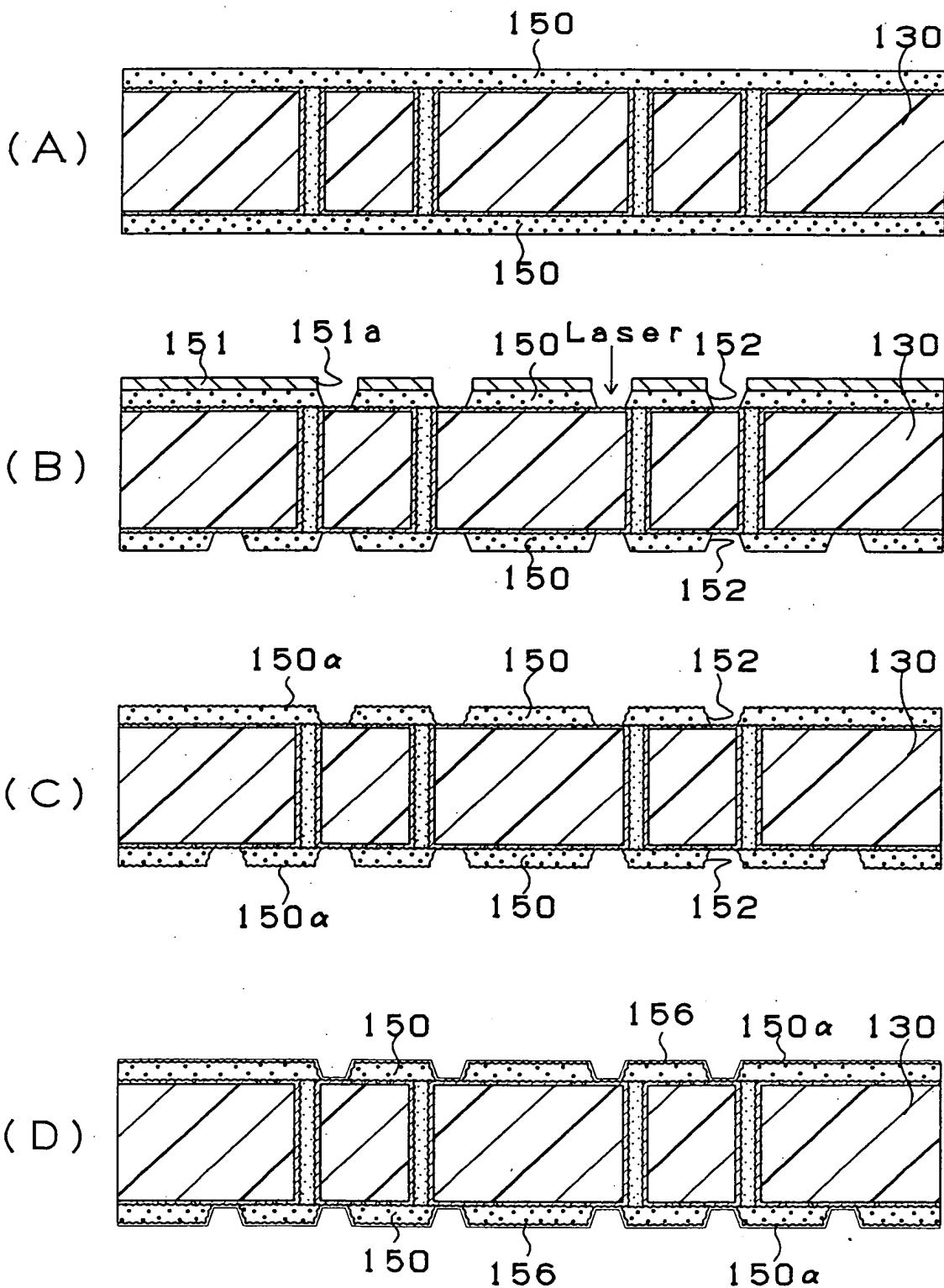
09/830963

9/22
Fig. 9



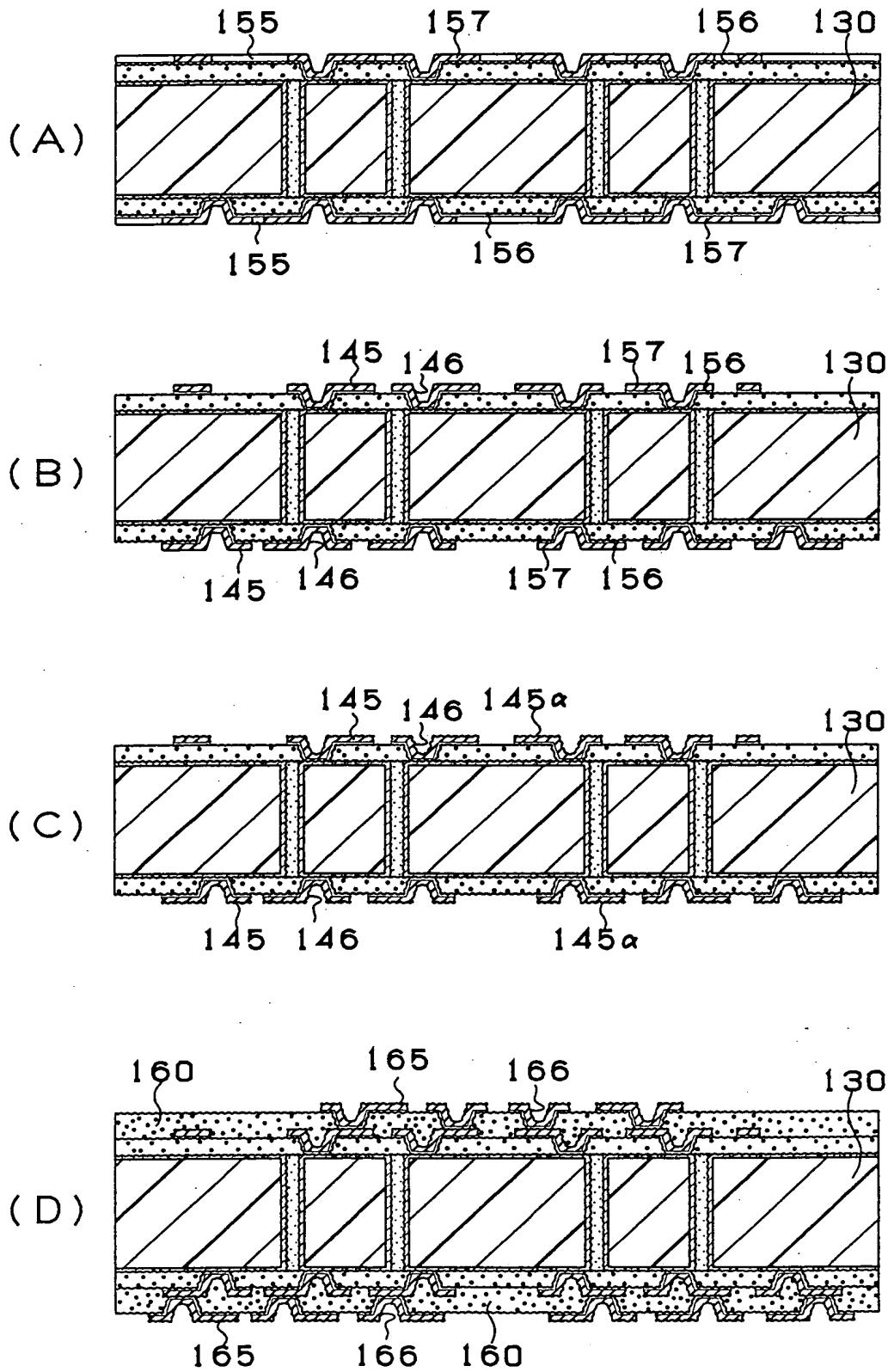
09/830963

10/22
Fig. 10



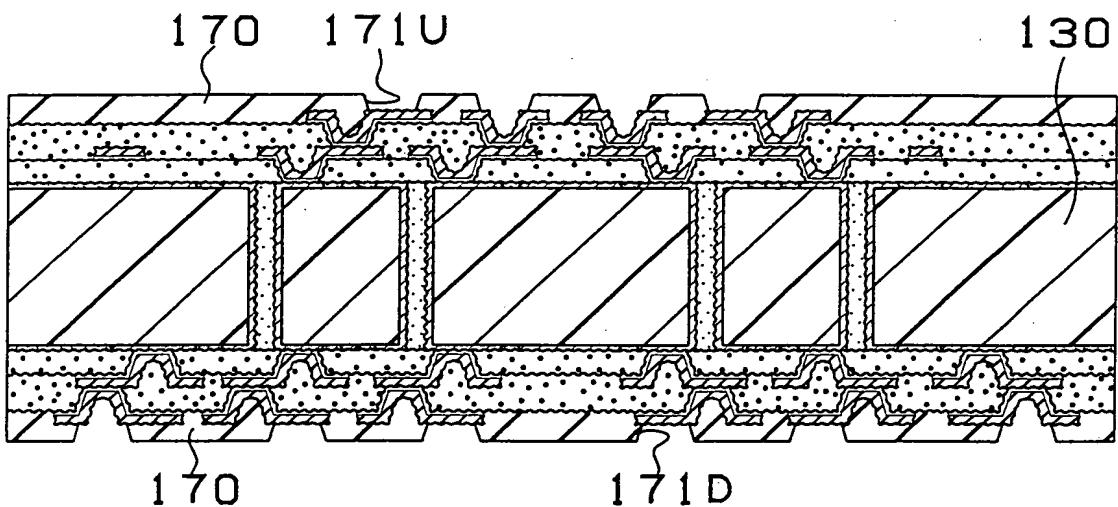
09/830963

11/22
Fig. 11

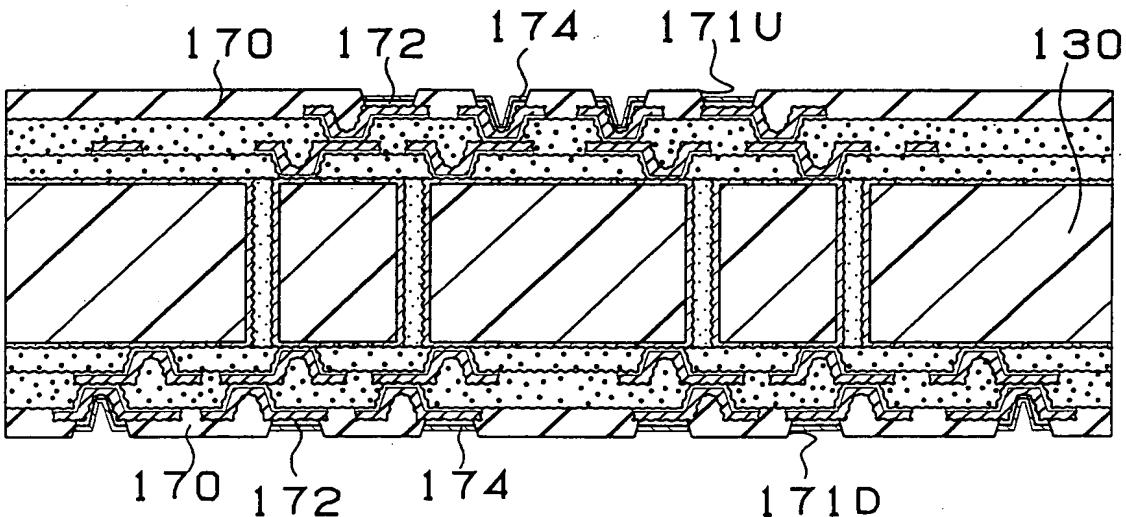


12/22
Fig. 12

(A)

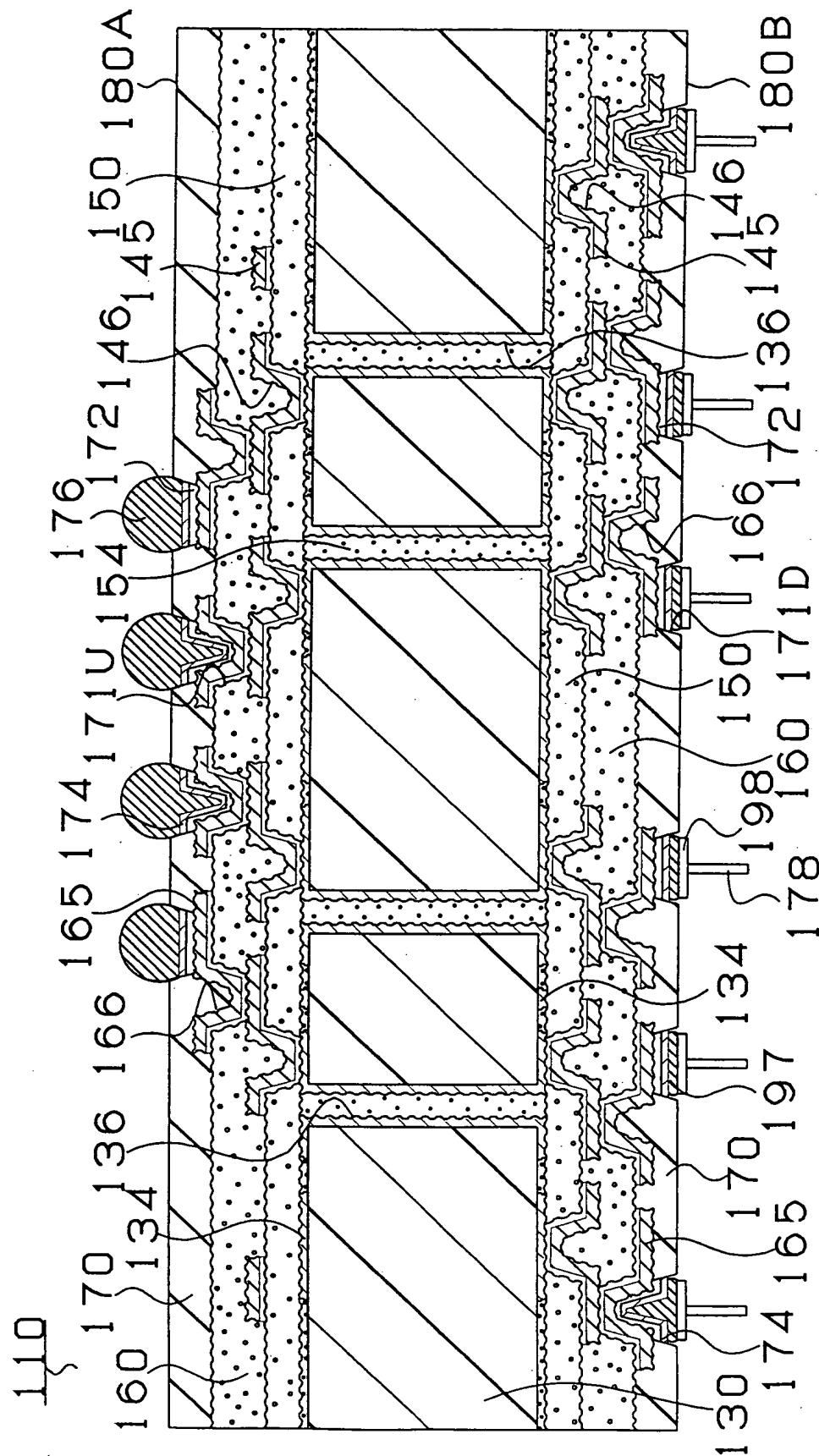


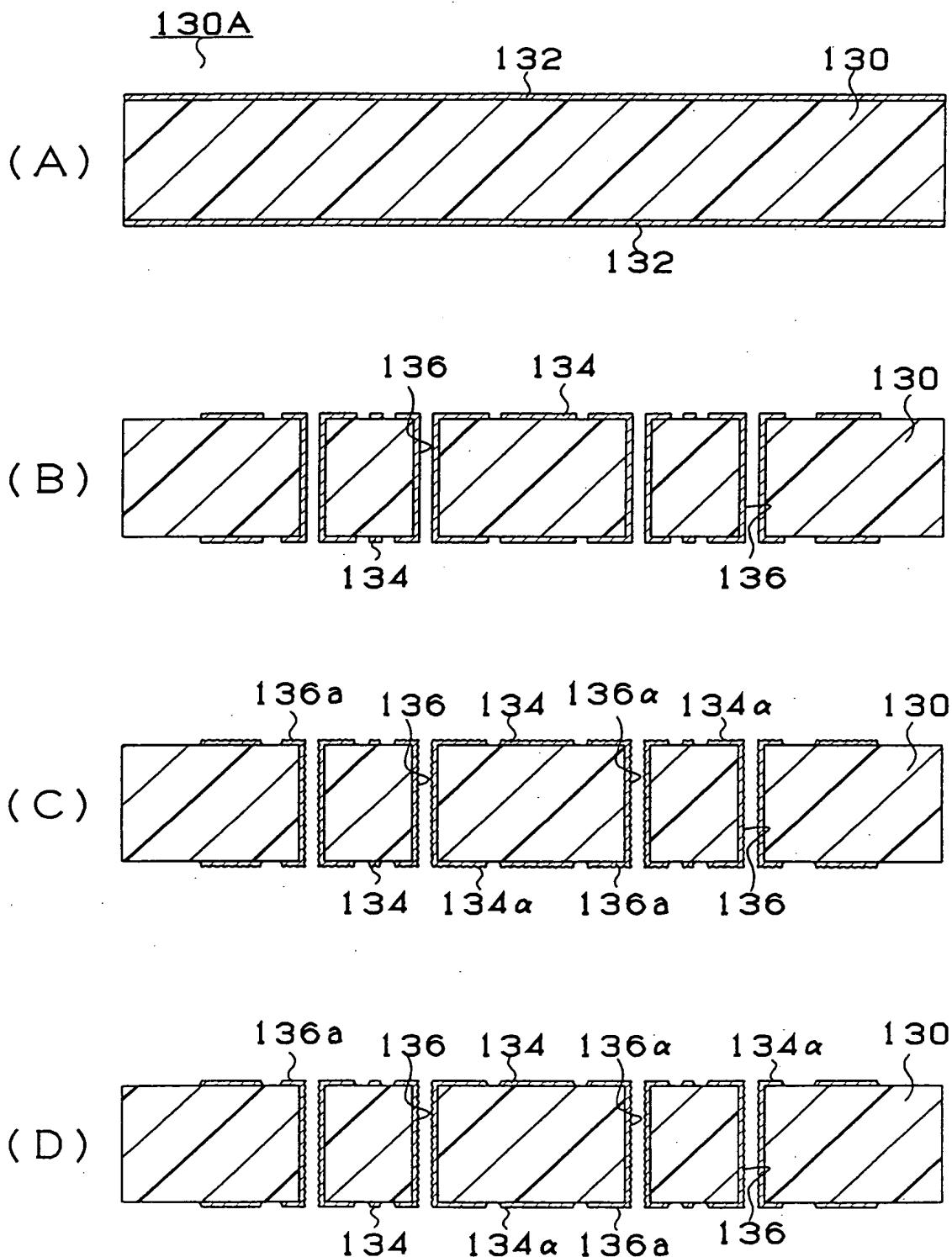
(B)



09/830963

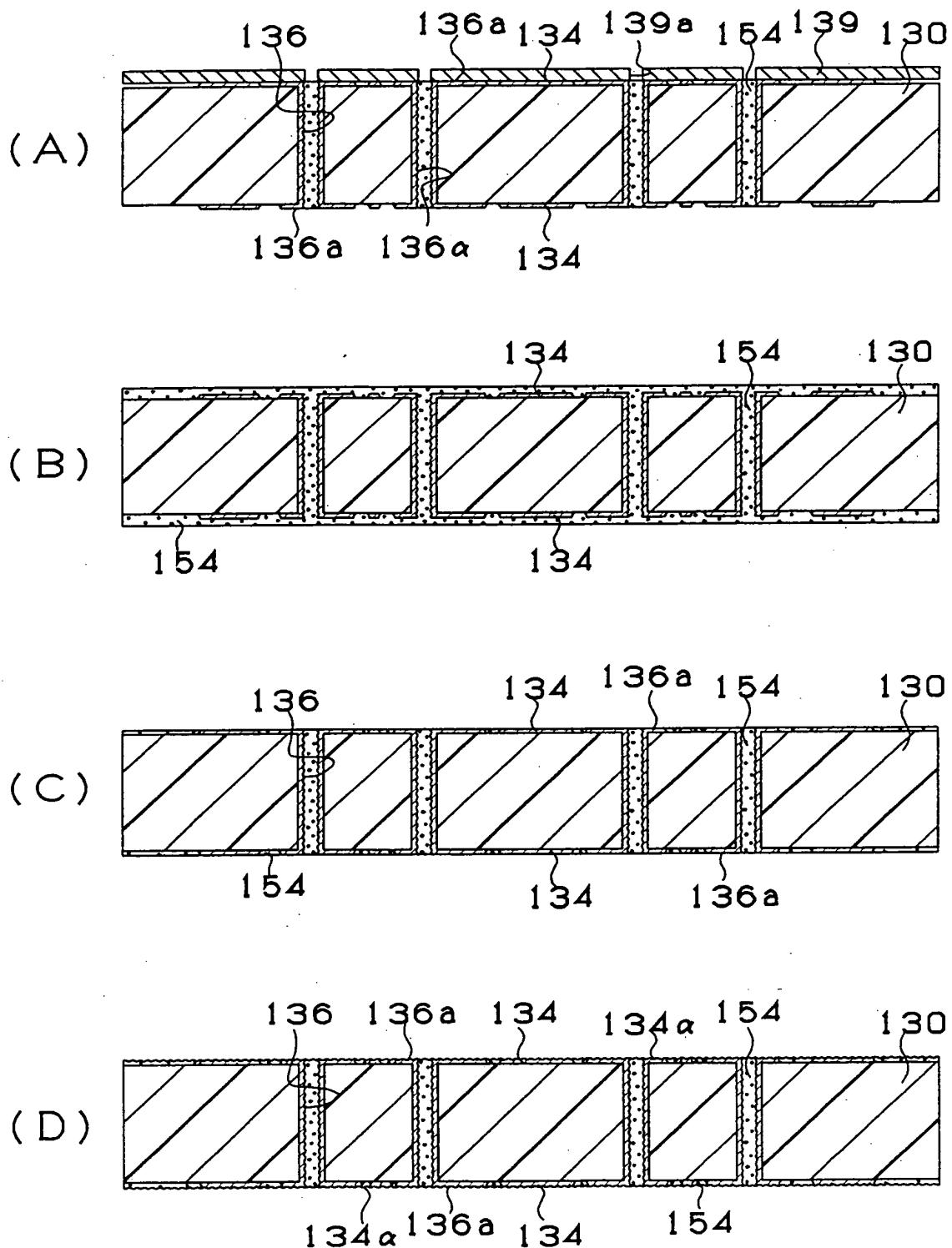
Fig. 13/223

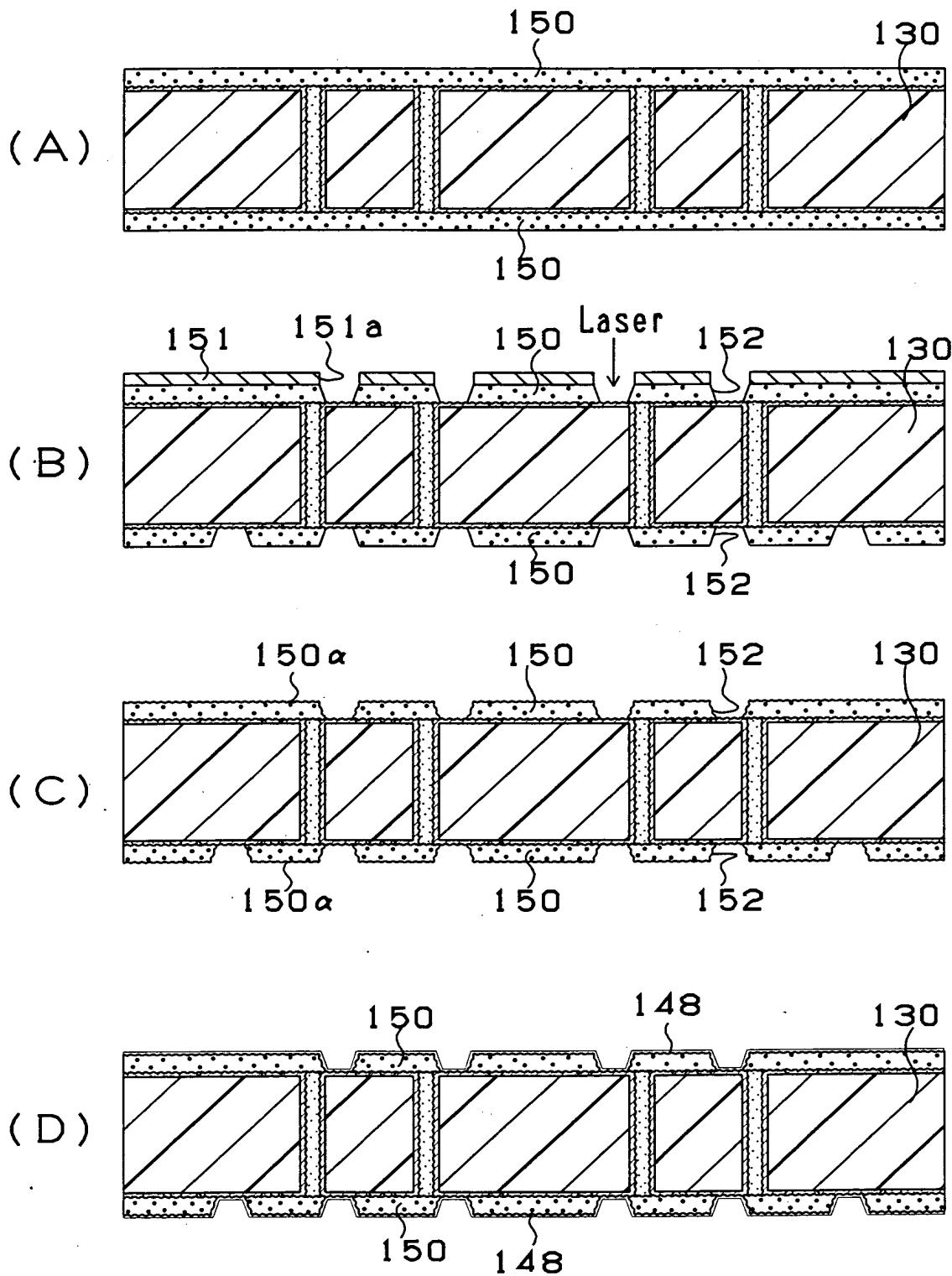


14/22
Fig. 14

09/830963

15/22
Fig. 15



16/22
Fig. 16

09/830963

17/22
Fig. 17

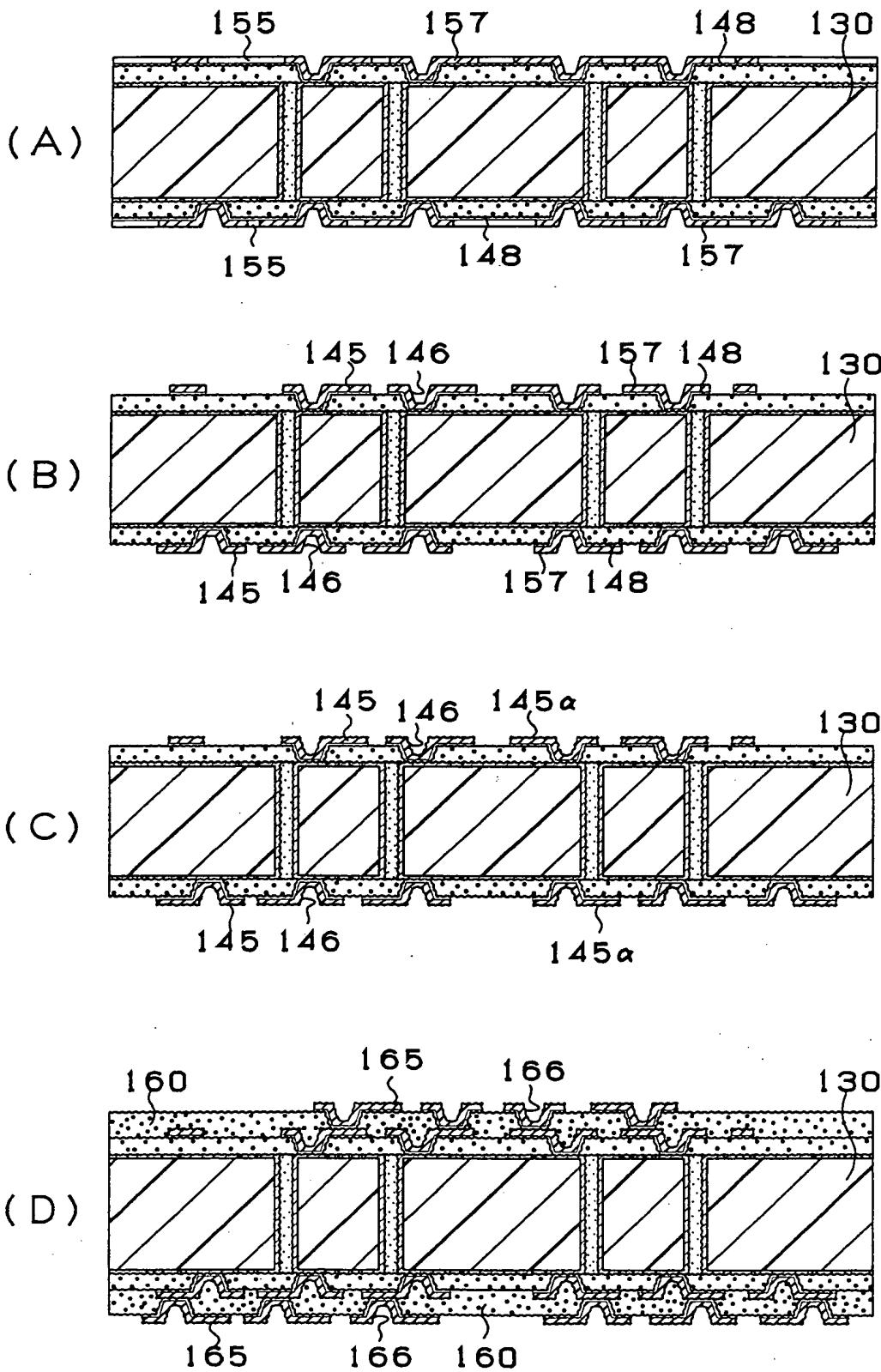
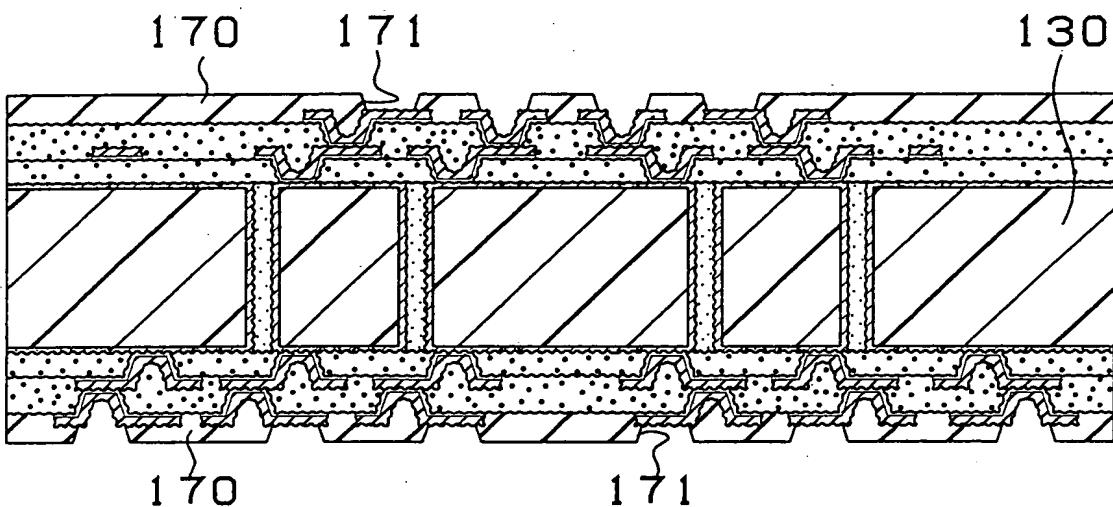


FIG. 17/22 - 130963

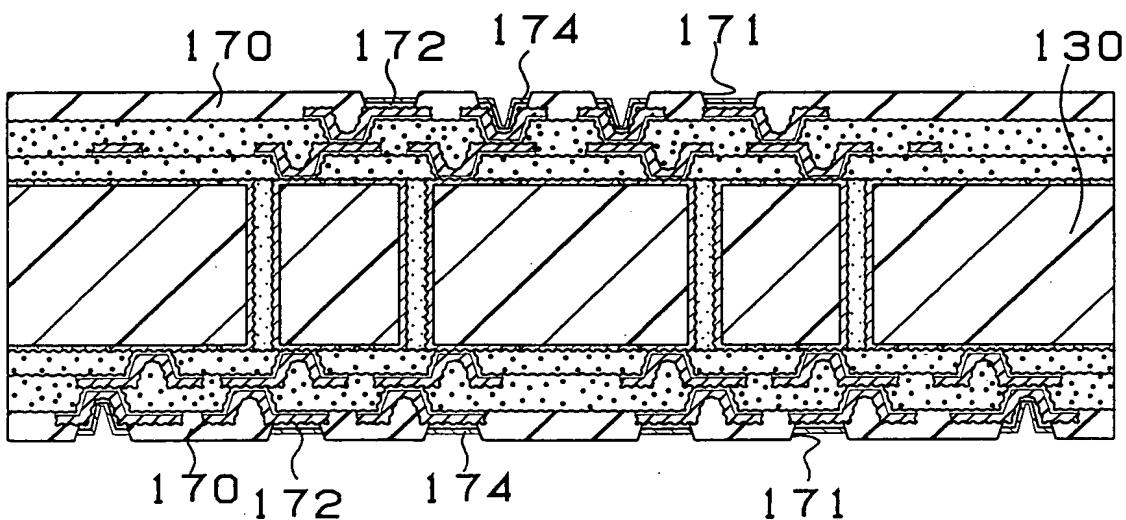
09/830963

18/22
Fig. 18

(A)



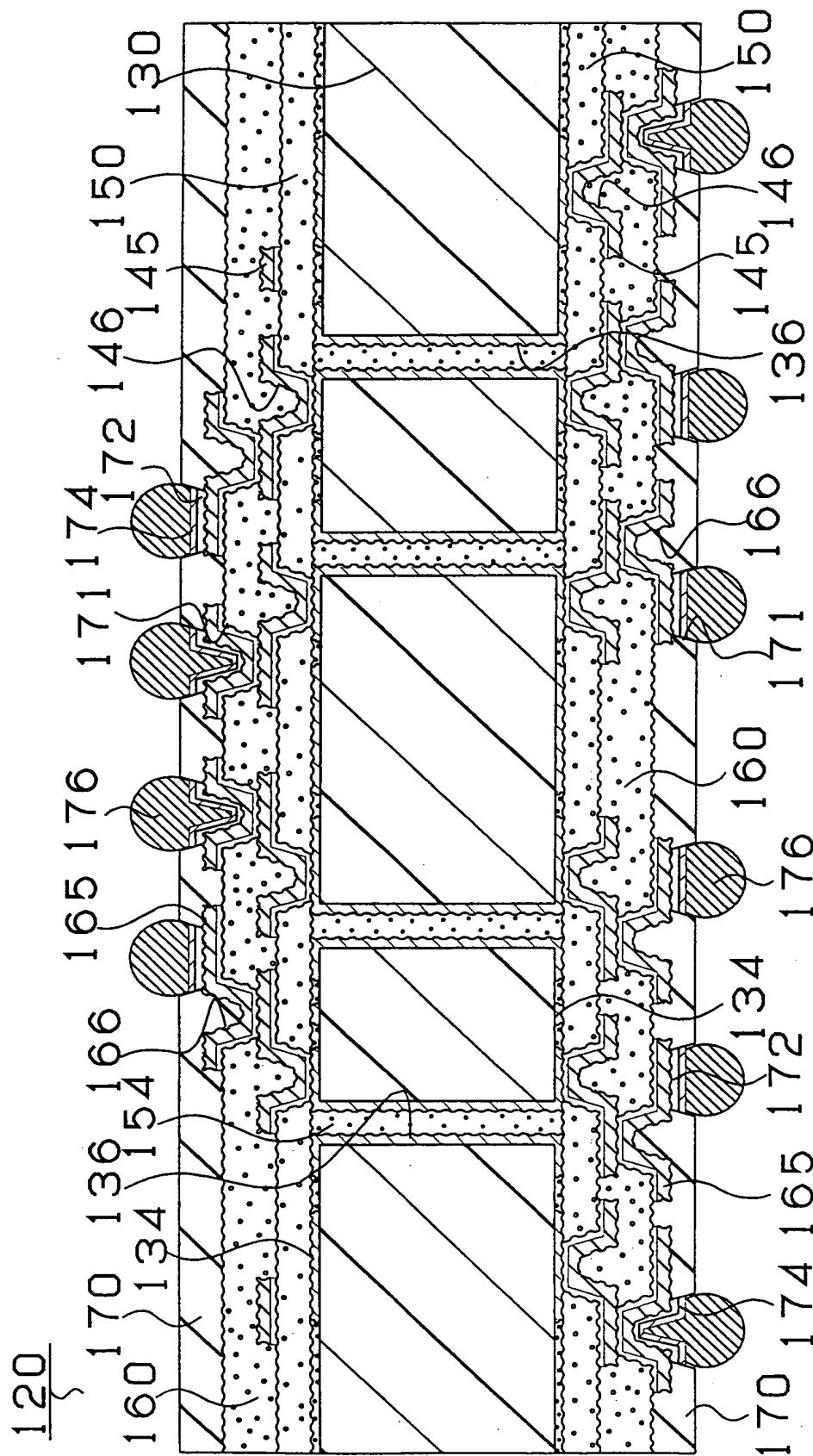
(B)



Digitized by srujanika@gmail.com

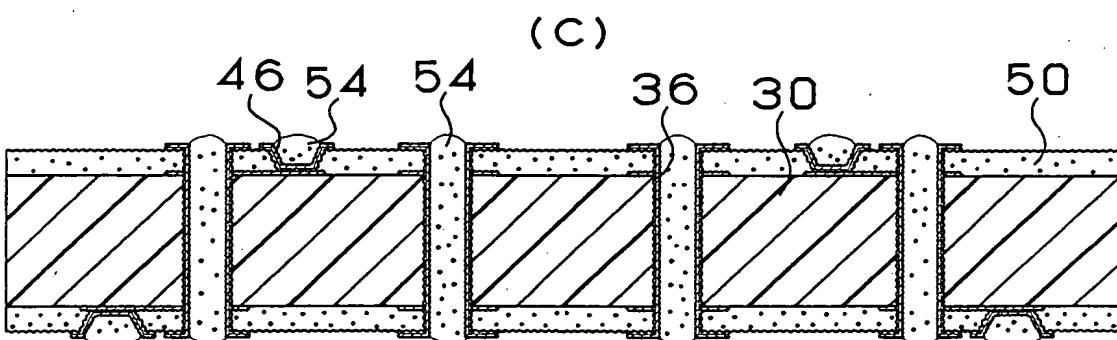
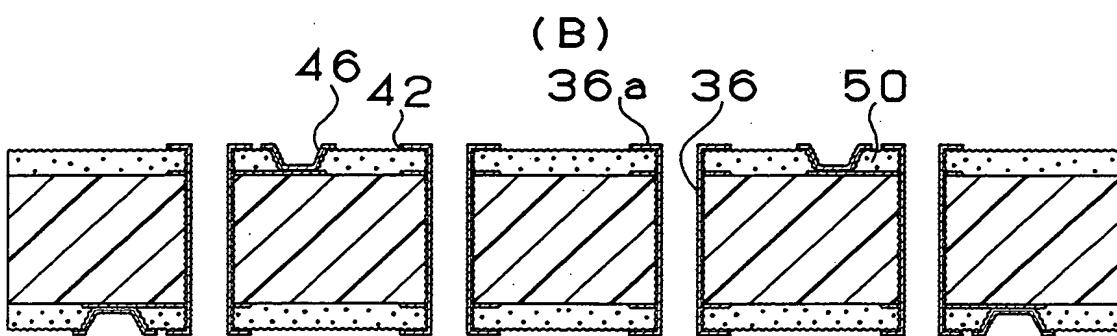
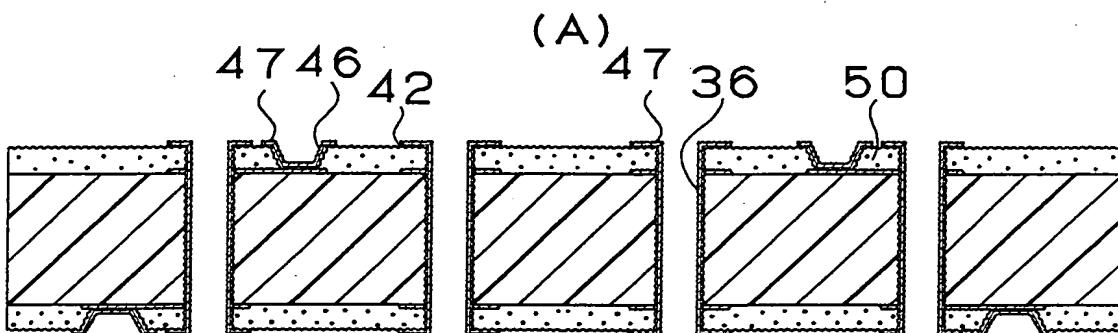
Fig. 19/22

09/830963



09/830963

20/22
Fig. 20



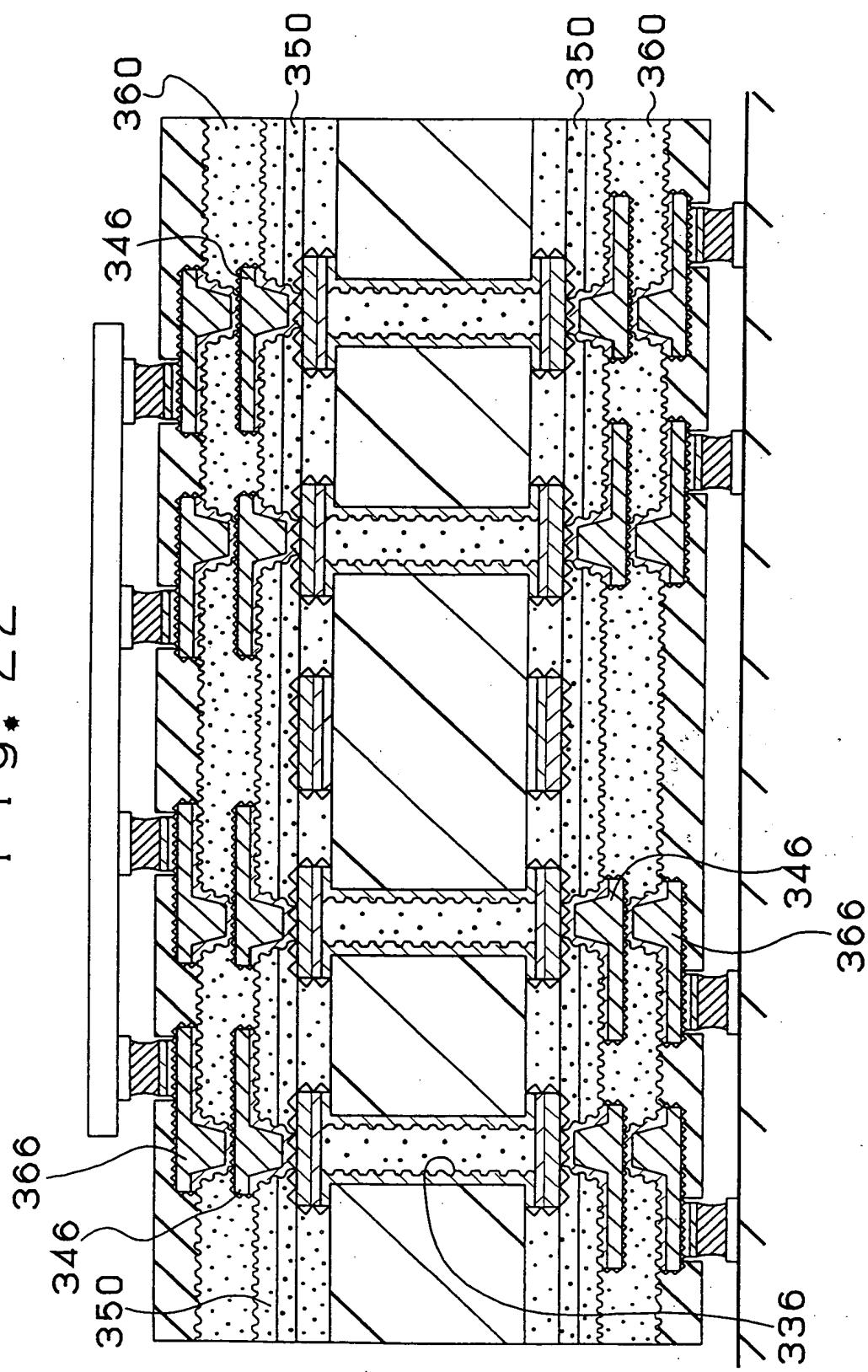
09/830963 - 20/22

21/22
Fig. 21

	roughing method	polishing of through hole land surface	flow of resin filler out of through holes
Comparison example 5	blackening-reduction process	No	Yes
Comparison example 6	etching	No	Yes
Comparison example 7	electroless plating	No	Yes
Second Embodiment	blackening-reduction process	Yes	No
First Modification of Second Embodiment	etching	Yes	No
Second Modification of Second Embodiment	electroless plating	yes	No

FIG. 22/22 360 366

Fig. 22



09/830963